Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/11/2019 10:20 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123026	-2	2.67	123176	2.67
Blue	F	SSC	125000	123893	-1	1.62	124697	1.54
Blue	E	FITC	16433	16029	-3	2.81	349	19.25
Blue	D	PE	27595	27186	-2	2.07	590	14.03
Blue	B	PerCP-Cy5-5	43183	42669	-2	3.69	1150	19.87
Blue	A	PE-Cy7	31943	32309	1	6.06	621	40.04
Red	C	APC	42819	42367	-2	2.38	1496	12.04
Red	A	APC-Cy7	31261	30072	-4	2.24	808	12.01
Violet	B	V450	6527	6292	-4	4.74	352	13.40
Violet	A	V500	24533	23521	-5	4.48	546	10.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17771	14.83	608	8	N/A	N/A	Pass
Blue	F	SSC	56474	1.17	551	3	N/A	N/A	Pass
Blue	E	FITC	63	60.01	538	-1	0.0213	60	Pass
Blue	D	PE	123	48.82	535	1	0.1996	335	Pass
Blue	B	PerCP-Cy5-5	211	48.71	647	5	0.0095	57	Pass
Blue	A	PE-Cy7	114	99.49	696	7	0.0113	16	Pass
Red	C	APC	356	25.29	580	-3	0.0249	166	Pass
Red	A	APC-Cy7	178	28.66	558	-5	0.0054	858	Pass
Violet	B	V450	54	59.30	451	-4	0.0502	2024	Pass
Violet	A	V500	82	32.15	462	-5	0.0234	588	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.13	-31.84	1.00
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.66	13.60 - 20.40	N/A	N/A	29.63	29.85	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 12251

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments